

CDK2AP2 Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19378c**Specification**

CDK2AP2 Antibody(Center) Blocking peptide - Product InformationPrimary Accession [O75956](#)**CDK2AP2 Antibody(Center) Blocking peptide - Additional Information****Gene ID** 10263**Other Names**

Cyclin-dependent kinase 2-associated protein 2, CDK2-associated protein 2, DOC-1-related protein, DOC-1R, CDK2AP2, DOC1R

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CDK2AP2 Antibody(Center) Blocking peptide - Protein Information**Name** CDK2AP2**Synonyms** DOC1R**Function**

Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:33283408). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation; represses CDK2 activation by inhibiting its interaction with cyclin E and A (PubMed:23781148). Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (By similarity). Regulates microtubule organization of metaphase II oocytes (By similarity).

Cellular Location

Cytoplasm. Nucleus Note=Accumulates in immature oocytes in the nucleus. During the first meiotic division, accumulates in the cytoplasm and localizes in dots in the vicinity of the chromosomes in a region enriched in microtubules {ECO:0000250|UniProtKB:Q9CPY4}

Tissue Location

Ubiquitous..

CDK2AP2 Antibody(Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CDK2AP2 Antibody(Center) Blocking peptide - Images

CDK2AP2 Antibody(Center) Blocking peptide - Background

Belongs to the CDK2AP family.

CDK2AP2 Antibody(Center) Blocking peptide - References

Buajeeb, W., et al. Biochem. Biophys. Res. Commun. 315(4):998-1003(2004)Zhang, X., et al.
Biochem. Biophys. Res. Commun. 255(1):59-63(1999)